

# PATENT ABSTRACTS OF JAPAN

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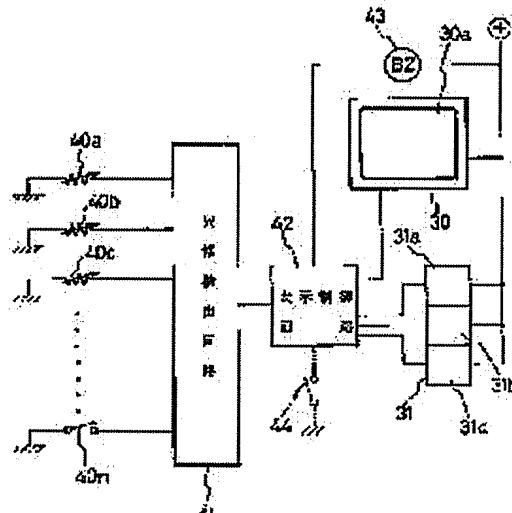
(21)Application number : 05-072881 (71)Applicant : HITACHI CONSTR MACH CO LTD  
 (22)Date of filing : 09.03.1993 (72)Inventor : YAMAKAWA TAKAYUKI

## (54) DISPLAY DEVICE FOR HYDRAULIC WORK MACHINE

### (57)Abstract:

**PURPOSE:** To ensure the safety of work and smooth the operation by showing an error with a display device, and selectively or independently with an indicator lamp, regarding a specific dangerous item among data detected with various sensors or the like mounted on a hydraulic work machine.

**CONSTITUTION:** Signals detected with and sent from detectors 40a, 40b, 40c and so forth are inputted to an error detection circuit 41, and each detected data is compared with a corresponding set value, thereby making judgement about the occurrence of an error. Furthermore, an output signal from the circuit 41 is inputted to a display control circuit 42, and an image is shown on a display device 30 on the basis of a signal from the circuit 42. Also, the lamp display sections 31a to 31c of an indicator panel 31 flash. Furthermore, when the circuit 41 detects any error, a warning buzzer 43 sounds on the basis of a signal from the circuit 41 for warning an operator.



### LEGAL STATUS

[Date of request for examination]

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[Date of final disposal for application]

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1. This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3. In the drawings, any words are not translated.

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CLAIMS

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## [Claim(s)]

[Claim 1] The display of the oil pressure activity machine characterized for the abnormalities about a specific risk display matter by alternative or considering [ the display unit and ] as a configuration equipped with the lamp display section which carries out lamp display independently among the display unit which displays detection data, such as various kinds of sensors with which an oil pressure activity machine is equipped, and the data displayed on this display unit.

[Claim 2] The abnormalities of said specific risk display matter are the displays of the oil pressure activity machine according to claim 1 characterized by consisting of the abnormality fall of engine oil pressure, an engine overheat condition, and an abnormality fall of hydraulic-oil-tank oil quantity.

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[Translation done.]



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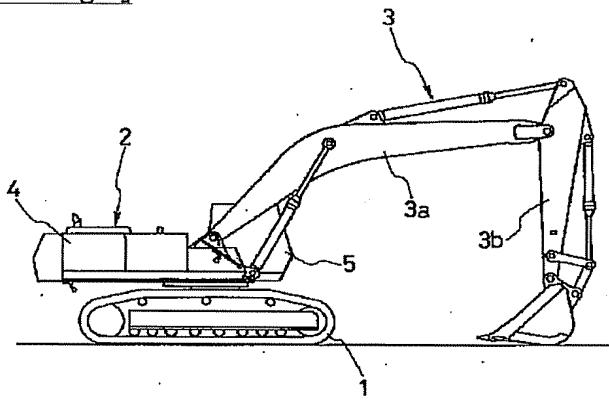
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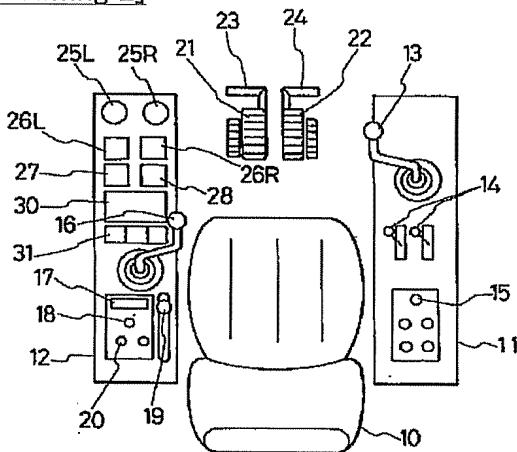
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## DRAWINGS

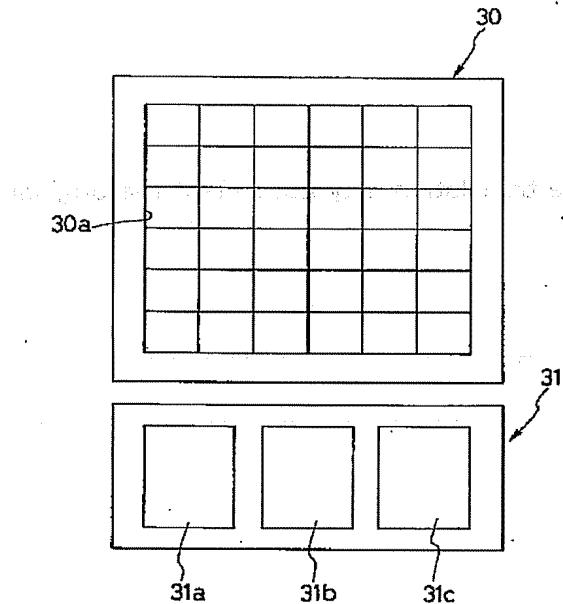
## [Drawing 1]



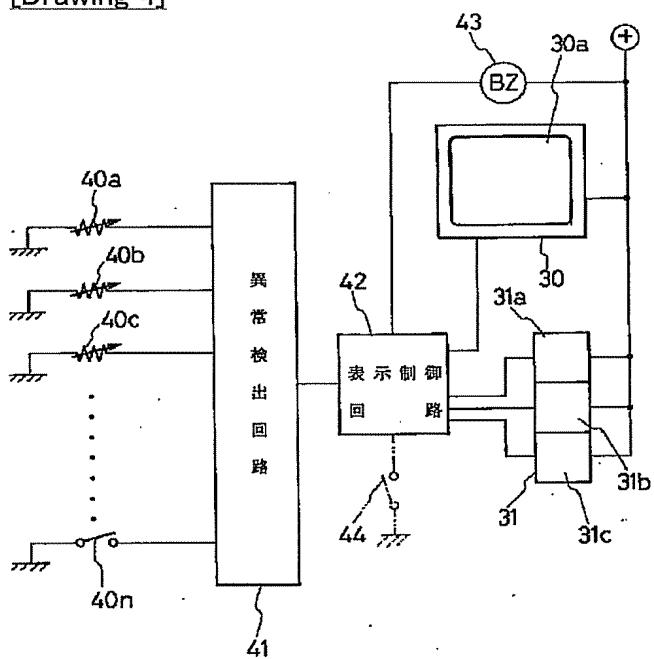
## [Drawing 2]



## [Drawing 3]



[Drawing 4]



[Translation done.]